

Converting Colors

$Y_{xy}(10.5792, 0.1961, 0.0854)$

Have a look what the booklet for
Yxy(10.5792, 0.1961, 0.0854)
contains.

Yxy(10.5670, 0.1963, 0.0855)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.5670, 0.1963, 0.0855)

Conversions

Conversions Part 1

Format	Color
Hex	7600F7
RGB	118, 0, 247
RGB Percent	46%, 0%, 97%
CMY	0.5372, 1.0000, 0.0313
CMYK	0.52, 1.00, 0.00, 0.03
HSL	269°, 100%, 48%
HSV	269°, 100%, 97%
XYZ	24.2608, 10.5670, 88.7628
YIQ	63.4400, -8.9590, 101.8330

Conversions

Conversions Part 2

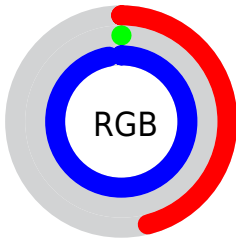
Format	Color
R _{YB}	118, 0, 247
Decimal	7733495
CIE Lab	38.84, 80.78, -92.28
CIE LCh	39, 122.644, 311.200
Yxy	10.5670, 0.1963, 0.0855
Android (android.graphics.Color)	4285923575 (0xFF7600F7)
YUV	63.4400, 90.4951, 47.8491
Hunter-Lab	32.5069, 76.3325, -139.1413

Details

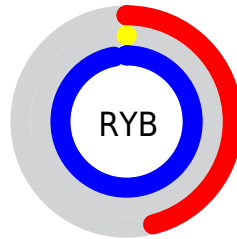
The Yxy color **10.5670, 0.1963, 0.0855** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **71.1936, 0.3385, 0.5695**, and the grayscale version is **4.9048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.0499, 0.2514, 0.1438**, and **4.1455, 0.1612, 0.0662** is the 20% darker color. If you saturate the color by 10%, you get **10.5680, 0.1963, 0.0855**, and if you desaturate by 10%, it is **12.2164, 0.2074, 0.0957**.

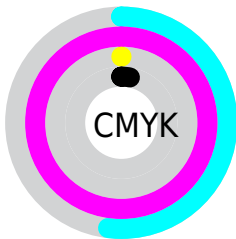
Distribution



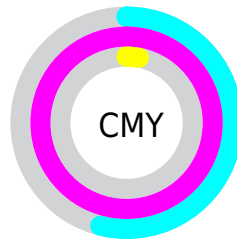
- Red (46%)
- Green (0%)
- Blue (97%)



- Red (46%)
- Yellow (0%)
- Blue (97%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (54%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5670, 0.1963, 0.0855 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.5670, 0.1963, 0.0855 by changing the saturation by 10% instead.


 10.5670, 0.1963,
0.0855


 10.5670, 0.1963,
0.0855


194.6723, 0.2650,
0.1936


 5.7765, 0.1782,
0.0658


 26.8566, 0.2225,
0.1197


 2.7096, 0.1556,
0.0450


 39.1246, 0.2321,
0.1342


 0.9821, 0.1273,
0.0248

 54.6537, 0.2401,
0.1470

 0.0000, 0.0938,
0.0000

 73.8286, 0.2467,
0.1585

 0.0000, 0.0544,
0.0000

 97.0335, 0.2524,
0.1687

 0.0000, 0.0000,
0.0000

 124.6528, 0.2572,

0.1779

157.0709, 0.2614,
0.1861

■ 10.5670, 0.1963,
0.0855

■ 10.5670, 0.1963,
0.0855

■ 10.5680, 0.1963,
0.0855

■ 12.2164, 0.2074,
0.0957

■ 14.8583, 0.2199,
0.1113

■ 18.7659, 0.2335,
0.1324

■ 24.1047, 0.2474,
0.1581

■ 31.0142, 0.2610,
0.1868

■ 39.6165, 0.2739,
0.2169

■ 50.0214, 0.2856,
0.2471

■ 62.3292, 0.2960,
0.2763

■ 76.6325, 0.3050,
0.3037

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.5670, 0.0843, 0.0665



10.5670, 0.1963, 0.0855



10.5670, 0.4343, 0.1378

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.5670, 0.1963, 0.0855



10.5670, 0.6018, 0.3982



10.5670, 0.0346, 0.3078

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.5670, 0.1963, 0.0855



71.1936, 0.3385, 0.5695

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.5670, 0.0935, 0.7463



10.5670, 0.1963, 0.0855



10.5670, 0.4087, 0.5913

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.5670, 0.1963, 0.0855



10.5670, 0.7187, 0.2813



10.5670, 0.2133, 0.7867



10.5670, 0.0264, 0.1226

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.5670, 0.1963, 0.0855



10.5670, 0.6244, 0.1876



10.5670, 0.2133, 0.7867



10.5670, 0.0464, 0.4374

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.5680, 0.1963, 0.0855



53.7144, 0.2855, 0.2469



23.1473, 0.1795, 0.1662



10.4347, 0.2807, 0.2343



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.5680, 0.1963, 0.0855



11.3449, 0.1961, 0.0854



25.0274, 0.3125, 0.1495



16.3150, 0.3054, 0.3051



5.6721, 0.1980, 0.0864



0.5593, 0.2117, 0.0940

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.3606, 0.4902, 0.2474



22.9583, 0.4905, 0.2476



66.5796, 0.3005, 0.5996



16.6271, 0.3212, 0.3167



11.3250, 0.4866, 0.2454



1.0161, 0.4601, 0.2308

Previews

White Background



This preview shows how the Yxy color 10.5670, 0.1963, 0.0855 looks on a white background.

Color Contrast Check

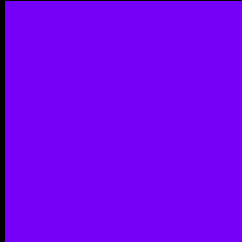
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 10.5670, 0.1963, 0.0855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.5670, 0.1963, 0.0855

Background



This preview shows how black text looks on a background with the Yxy color 10.5670, 0.1963, 0.0855.



This preview shows how white text looks on a background with the Yxy color 10.5670, 0.1963, 0.0855.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.5670, 0.1963, 0.0855

Protanopia

10.9432, 0.1752, 0.1505

Deuteranopia

10.7576, 0.1862, 0.1903



Tritanopia

10.8211, 0.2715, 0.3091

Trichromacy



Original Color

10.5670, 0.1963, 0.0855

Protanomaly

8.0433, 0.1680, 0.0967

Deuteranomaly

7.5511, 0.1723, 0.1073

Tritanomaly

7.9114, 0.2279, 0.1517

Monochromacy



Original Color

10.5670, 0.1963, 0.0855

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

4.9683, 0.2390, 0.1421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5670, 0.1963, 0.0855 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(118, 0, 247)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 0, 247) }
```

Border

The CSS property to change the border of an element to Yxy 10.5670, 0.1963, 0.0855 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 0, 247) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(118, 0, 247) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(118, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(118, 0,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5670, 0.1963, 0.0855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 0, 247) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118, 0,  
247) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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